

fragmenting dried leaves of *Gymnema sylvestre* to produce fragmented, dried leaves;
steeping the fragmented, dried leaves in an aqueous solution comprising one or more high
polarity organic solvents for at least 24 hours to produce an extract;
acidifying the extract to a pH of about 3.0 or below to produce a first acidified extract;
and
discarding a water soluble fraction of the first acidified extract and collecting the
precipitate.

17. ⁴ (Amended) A method for treating impaired glucose tolerance, comprising administering [the] a composition isolated from the leaves of *Gymnema sylvestre* by: [of claim 1]
fragmenting dried leaves of *Gymnema sylvestre* to produce fragmented, dried leaves;
steeping the fragmented, dried leaves in an aqueous solution comprising one or more high
polarity organic solvents for at least 24 hours to produce an extract;
acidifying the extract to a pH of about 3.0 or below to produce a first acidified extract;
and
discarding a water soluble fraction of the first acidified extract and collecting the
precipitate.

18. ⁵ (Amended) A method for regenerating the pancreatic islets of Langerhans, comprising administering [the] a composition isolated from the leaves of *Gymnema sylvestre* by: [of claim 1]
fragmenting dried leaves of *Gymnema sylvestre* to produce fragmented, dried leaves;
steeping the fragmented, dried leaves in an aqueous solution comprising one or more high
polarity organic solvents for at least 24 hours to produce an extract;
acidifying the extract to a pH of about 3.0 or below to produce a first acidified extract;
and
discarding a water soluble fraction of the first acidified extract and collecting the
precipitate.

a² 18. (Amended) A method for regenerating the pancreatic beta cells, comprising administering [the] a composition isolated from the leaves of *Gymnema sylvestre* by: [of claim 1]
fragmenting dried leaves of *Gymnema sylvestre* to produce fragmented, dried leaves;
steeping the fragmented, dried leaves in an aqueous solution comprising one or more high
polarity organic solvents for at least 24 hours to produce an extract;
acidifying the extract to a pH of about 3.0 or below to produce a first acidified extract;
and
discarding a water soluble fraction of the first acidified extract and collecting the
precipitate.

a³ 19. (Amended) A method for increasing endogenous insulin levels in a patient, comprising administering [the] a composition isolated from the leaves of *Gymnema sylvestre* by: [of claim 1]
fragmenting dried leaves of *Gymnema sylvestre* to produce fragmented, dried leaves;
steeping the fragmented, dried leaves in an aqueous solution comprising one or more high
polarity organic solvents for at least 24 hours to produce an extract;
acidifying the extract to a pH of about 3.0 or below to produce a first acidified extract;
and
discarding a water soluble fraction of the first acidified extract and collecting the
precipitate.

a⁴ 20. (Amended) A method for increasing the production of proinsulin in a patient, comprising administering [the] a composition isolated from the leaves of *Gymnema sylvestre* by: [of claim 1]
fragmenting dried leaves of *Gymnema sylvestre* to produce fragmented, dried leaves;
steeping the fragmented, dried leaves in an aqueous solution comprising one or more high
polarity organic solvents for at least 24 hours to produce an extract;
acidifying the extract to a pH of about 3.0 or below to produce a first acidified extract;
and